

# Product data sheet

Specifications



## Galaxy VS UPS 100kW 400V with N+1 power module for external batteries, Start-up 5x8

GVSUPS100KRHS

### Overview

<b>Presentation</b>	Highly efficient, easy-to-deploy 100kW, 400V 3-phase UPS that brings best-in-class power protection and low total cost of ownership to edge, small and medium data centers, as well as to critical infrastructure in commercial and industrial applications. Includes 5x8 start-up service and one additional power module for N+1 redundancy.
<b>Lead time</b>	Usually Ships within 2 Weeks

### Main

<b>Main Input Voltage</b>	400 V 3 phase
<b>Other Input Voltage</b>	380 V 415 V
<b>Main Output Voltage</b>	400 V 3 phase
<b>Kw Rating</b>	100 kW
<b>Rated power in VA</b>	100 kVA
<b>Battery Type</b>	External battery system Li-Ion (Lithium Ion) VRLA
<b>Provided equipment</b>	Dust filter EcoStruxure IT ready (UPS) Installation guide Integrated network management Power modules ship installed Start-Up Service
<b>Range of Product</b>	Galaxy VS
<b>Range Compatibility</b>	Galaxy VS

### Batteries & Runtime

<b>Battery Voltage</b>	480-576VDC
<b>End of Discharge Battery Voltage</b>	384 V DC
<b>End of Discharge Maximum Battery Current</b>	271 A

### General

<b>Bypass Voltage Tolerance</b>	+/- 10 %
<b>Redundant</b>	Yes
<b>Product or Component Type</b>	Uninterruptible power supply (UPS)

### Physical

<b>color</b>	White
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Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Height	58.5 in (148.5 cm)
Width	20.5 in (52.1 cm)
Depth	33.3 in (84.7 cm)
Net Weight	639.3 lb(US) (290 kg)

## Input

Input Frequency	40 - 70 Hz
Efficiency at full load	340...460 V 400 V
Maximum Input Current per Phase	180 A
Maximum Short Circuit Withstand (I <sub>cw</sub> )	65 kA
Input Total Harmonic Distortion	Less than 3% for full load
Load power factor	From 0.7 leading to 0.7 lagging without any derating

## Output

Max Configurable Power (Watts)	100 kW
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal not synced 60 Hz +/- 0.1 % for 60 Hz nominal not synced
Crest factor	2.5
Waveform Type	Sine wave
Output voltage tolerance	+/-1% after 50ms
Output Voltage THD	< 1% linear load and < 5% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	100 kVA

## Conformance

Standards	EN/IEC 62040-1 EN/IEC 62040-2 FCC Part 15 class A IEC 60721-4-2 Level 2M2 UL 1778 5th edition
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## Environmental

Ambient Air Temperature for Operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 % non-condensing
Operating altitude	0...3300 ft
Ambient Air Temperature for Storage	-13...131 °F (-25...55 °C)
Storage Relative Humidity	10...80 % non-condensing
acoustic level	68 dBA
Online Thermal Dissipation	11373 Btu/h
IP degree of protection	IP21

## Communications & Management

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Control panel	Touch Screen LCD User Interface
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## Ordering and shipping details

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GTIN	731304418320
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## Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	66.1 in (168 cm)
Package 1 Width	39.0 in (99 cm)
Package 1 Length	25.2 in (64 cm)
Package 1 Weight	694.5 lb(US) (315 kg)

## Contractual warranty

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Warranty	1 year on-site repair or replace with factory authorized Start-Up
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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Energy Efficient Take-back Transparency RoHS/REACH

## Resource performance

Energy Efficient Product

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Take-Back Program Available

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## Well-being performance

Mercury Free

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Rohs Exemption Information Yes

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## Certifications & Standards

**Reach Regulation** [REACH Declaration](#)

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**Eu Rohs Directive** Compliant with Exemptions

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**China Rohs Regulation** [China RoHS declaration](#)

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**Environmental Disclosure** [Product Environmental Profile](#)

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**Circularity Profile** [End of Life Information](#)

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Image of product / Alternate images

Alternative

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